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FAX TRANSMISSION

TO: [REDACTED] **FR OM:** [REDACTED]

DATE: 7.10.04 **FAX NO:** [REDACTED]

PAGES: 4 **RE:** Test results

CC: [REDACTED] **FAX NO:** [REDACTED]

Dear [REDACTED]

Thank you for submitting the 37 samples from Sudan as received at the World Reference Laboratory (WRL), Pirbright on 19th September 2004. The samples have been tested for the presence of foot-and-mouth disease virus with the following results as set out in the enclosed table. The poor PCR results are suggestive of primer mis-match and this is under investigation. Further isolate characterisation details will follow shortly.

Yours sincerely

[REDACTED]
Head: World Reference Laboratory for FMD

c.c. [REDACTED]

Test Results of thirty-seven samples received from Sudan on 19th September 2004

Your Reference	WRL Reference	Description of Sample	Serotyping Result by ELISA	PCR Result	Remarks
1 RES/POL/VOL XVIII/322 Turalei Twic	SUD 1/2004	Bovine Female Epithelium	O	-ve	Direct antigen ELISA positive. Positive after passage in both BTY* and IB-RS2** cells
1 Turalei Twic	SUD 2/2004	Bovine Female Serum	NVD***	-ve	Negative after passage in both BTY and IB-RS2 cells
2 Turalei Twic	SUD 3/2004	Bovine Female Epithelium	O	+ve	Direct antigen ELISA positive. Positive after passage in both BTY and IB-RS2 cells
2 Turalei Twic	SUD 4/2004	Bovine Female Serum	O	-ve	Direct antigen ELISA positive. Positive after passage in BTY cells.
3 Turalei Twic	SUD 5/2004	Bovine Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells.
4 Turalie Twic	SUD 6/2004	Bovine Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells.
5 Turalei Twic	SUD 7/2004	Bovine Female Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells.
6 Turalie Twic	SUD 8/2004	Bovine Female Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells.
7 Turalei Twic	SUD 9/2004	Bovine Female Epithelium	O	-ve	Direct antigen ELISA negative. Positive after passage in BTY cells
8 Turalie Twic	SUD 10/2004	Bovine Epithelium	NVD	-ve	Direct antigen ELISA negative. Negative after passage in both BTY and IB-RS2 cells
8 Turalei Twic	SUD 11/2004	Bovine Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells.
9 Turalei Twic	SUD 12/2004	Bovine Female Epithelium	O	-ve	Direct antigen ELISA positive. Positive after passage in BTY cells.
9 Turalei Twic	SUD 13/2004	Bovine Female Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells.
10 Turalei Twic	SUD 14/2004	Bovine Female Epithelium	O	-ve	Direct antigen ELISA positive. Positive after passage in both BTY and IB-RS2 cells
10 Turalei Twic	SUD 15/2004	Bovine Female Serum	O	-ve	Positive after passage in BTY cells.

Your Reference	WRL Reference	Description of Sample	Serotyping Result by ELISA	PCR Result	Remarks
11 Turalei Twic	SUD16/2004	Bovine Female Epithelium	O	-ve	Direct antigen ELISA positive. Positive after passage in both BTY and IB-RS2 cells
11 Turalei Twic	SUD 17/2004	Bovine Female Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells.
12 Turalei Twic	SUD 18/2004	Bovine Male Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells.
13 Turalei Twic	SUD 19/2004	Bovine Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells.
14 Turalei Twic	SUD 20/2004	Bovine Female Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells.
15 Turalei Twic	SUD 21/2004	Bovine Female Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells.
16 Turalei Twic	SUD 22/2004	Bovine Female Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells.
17 Pindit Livanyaker	SUD 23/2004	Bovine Female Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells.
18 Pindit Livanyaker	SUD 24/2004	Bovine Male Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells.
19 Pindit Livanyaker	SUD 25/2004	Bovine Female Epithelium	O	-ve	Direct antigen ELISA positive. Positive after passage in BTY cells.
19 Pindit Livanyaker	SUD 26/2004	Bovine Female Serum	O	-ve	Positive after passage in BTY cells.
20 Pindit Livanyaker	SUD 27/2004	Bovine Male Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells.
21 Pindit Livanyaker	SUD 28/2004	Bovine Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells.
22 Pindit Livanyaker	SUD 29/2004	Bovine Female Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells.
23 Pindit Livanyaker	SUD 30/2004	Bovine Male Serum	O	-ve	Positive after passage in BTY cells.
24 Puolbar Marial-Lou	SUD 31/2004	Caprine Male Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells.

Your Reference	WRL Reference	Description of Sample	Serotyping Result by ELISA	PCR Result	Remarks
25 Puolbar Marial-Lou	SUD 32/2004	Caprine Female Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells.
26 Puolbar Marial-Lou	SUD 33/2004	Bovine Female Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells
27 Puolbar Marial-Lou	SUD 34/2004	Bovine Female Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells
28 Puolbar Marial-Lou	SUD 35/2004	Bovine Female Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells
29 Puolbar Marial-Lou	SUD 36/2004	Bovine Female Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells
30 Puolbar Marial-Lou	SUD 37/2004	Bovine Female Serum	NVD	-ve	Negative after passage in both BTY and IB-RS2 cells

- * BTY: Primary bovine thyroid cells
- ** IB-RS-2: Continuous pig kidney cell line
- *** NVD: No virus detected
- **** Further work will be undertaken to try to determine the serotype.